GOVERNMENT OF INDIA
WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION
LOK SABHA

UNSTARRED QUESTION NO:736
ANSWERED ON:21.07.2016
Pollution in Yamuna
Ajmal Maulana Badruddin

Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION be pleased to state:

(a) the present pollution levels in the river Yamuna at different stretches/places;
(b) whether the pollution levels in the river have increased recently;
(c) if so, the details of the schemes/ projects being implemented for cleaning of the Yamuna river;
(d) the quantum of funds allocated for the purpose along with their utilisation, so far; and
(e) the time by which the river is likely to be made pollution free?

Answer

THE MINISTER FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION
(SUSHRI UMA BHARTI)

(a) & (b) The water quality of river Yamuna is monitored from origin to confluence with River Ganga at Allahabad. The assessment of water quality data indicates that River Yamuna is not meeting the water quality criteria downstream of confluence with drains in Delhi and in downstream reaches along towns situated on the bank of the river. The organic pollution load measured as Biochemical Oxygen Demand (BOD) ranges between 1 mg/l to 97 mg/l against the water quality criteria as < of 3 mg/l. The water quality data collected during 2015 indicates a fluctuating trend as compared to the data collected during 2014 in terms of DO, BOD and Nitrates. (ANNEXURE −I).
(c) to (e) Cleaning of Rivers is an ongoing process and this Ministry is supplementing the efforts of the States for pollution abatement of river Yamuna, a tributary of River Ganga, by providing financial assistance to UP, Haryana and Delhi State Government in phased manner since 1993 under the Yamuna Action Plan (YAP). Under Yamuna action plan â€" III (YAP-III), the old sewage treatment plants and connected sewer lines in Okhla, Kondli & Rithala Drainage zone are proposed to be rehabilitated at a cost of Rs.1656 crore through JICA funding. There are total 9 proposals, out of which sanction has been accorded for 5 proposals costing Rs.665 cr. related to rehabilitation of old STPs at Kondli & Rithala and their connected sewerage infrastructure to meet the revised CPCB guidelines. Delhi Jal Board (GNCTD) is the implementing agency.
Other steps for pollution abatement of river Yamuna funded by Government of India inder Namami Gange outside Delhi, include two sanctioned projects, in Sonepat and Panipat towns at total cost of Rs. 217.87 crore. The main project components includes construction of new STPs of 70 mld capacity and rehabilitation of existing STPs of 75 mld capacity. The works are being implemented by PHED, Haryana. Till date an amount of Rs. 125.66 crore has been released out of total GoI's share of Rs. 152.51 crore by the Ministry towards implementation of above two projects.
As informed by Delhi Jai Board (DJB), other measures taken by DJB regarding pollution abatement of Yamuna in Delhi are:
Interceptor sewer project - Under the scheme, waste water flows coming from the city sub drains are to be trapped before out falling intothe major drains i.e. Najafgarh, Supplementary & Shandara drains for treatment at the plants. Current progress of the projects is 85% and it is expected to be completed by next year.
Apart from above, there are other sewerage projects which are to be implemented on priority as per directions of Hon"ble NGT under the plan "Maily Se Nirmal Yamuna Rejuvenation Plan 2017" to abate pollution in River Yamuna. These projects are related to construction of 15 decentralized WWTPs, 3 SPS & allied sewer works and rehabilitation of old peripheral sewer in the command of Najafgarh& Supplementary drains.
In addition to above Delhi Jal Board implementing the schemes of rehabilitation of existing old sewer lines, WWTPs and Sewage Pumping Stations to make the sewerage system more efficient.
A Sewerage Master Plan (SMP-2031) has been finalized by the Board and is being implemented in phases to provide sewerage facilities in unsewered areas at an estimated cost of Rs.20,000 crore.
In the current financial year the projects related to providing new sewer lines and improving the old sewerage infrastructure in DJB shall be funded from the allocation of Rs.916 crore made by the Delhi Govt.

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Annexure referred to in reply of Lok Sabha unstarred Question No.736 due for reply on 21.07.2016
Annexure I
TABLE - 1: WATER QUALITY OF RIVER YAMUNA

STATION CODE	LOCATIONS	STATE	TEMPERATURE ÂºC		DISSOLVED OXYGEN		pH		CONDUCTIVITY (Âµmhos/cm)		B.O.D. (mg/l)		NITRATE- N+ NITRITE-N (mg/l)		FECAL COLIFORM (MPN/100ml)		TOTAL COLIFORM (MPN/100ml)	
			Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
WATER QUALITY CRITERIA					> 4.0 mg/l		6.5-8.5				< 3 mg/l		< 2500 MPN/100ml		< 5000 MPN/100ml			
1492	YAMUNA AT YAMUNOTRI,	UTTAR PRADESH	UTTARAKHAND		0	0	31	31	46	46								
1493	YAMUNA AT HANUMANCHATTI,	UTTAR PRADESH	UTTARAKHAND		0	0												
1494	YAMUNA AT U/S OF LAKHWAR DAM,	U.P	UTTRAKHA		19	19	8.4	8.6	7.2	8.1	170	220	1	1	0	1.1		
1490	YAMUNA AT U/S DAK PATTHAR,	UTTAR PARDESH	UTTRAKHA		18	20	8.2	8.4	7.4	8.2	176	230	1.2	1.6	0	1.2	7800	54000
30																		

160000
1490 YAMUNA AT U/S DAK PATTHAR, UTTAR PARDESH UTTAR PRADESH 7.5 8.6 440 1515 9 24 0 0.2 35000 35000 160000 160000
1553 RIVER YAMUNA , U/S PAONTA SAHIB, H.P HIMACHAL PRADESH 12 28 6.2 8.8 7.2 8.6 208 810 0.8 1.4 0.1 0.6 7 13 14 26
1554 RIVER YAMUNA , D/S PAONTA SAHIB, H.P HIMACHAL PRADESH 14 29 5.8 8.6 7.1 8.7 217 842 1.2 1.6 0.1 0.7 8 12 16 25
1117 YAMUNA AT HATHNIKU HARYANA HARYANA 7.2 7.8 168 390 1 2 0 0.7 24000 24000 54000 54000
1496 YAMUNA AT KALANAUR, YAMUNA NAGAR, HARYANA HARYANA 7.3 8 198 392 1 4 0 0 330 330 1100 1100
1119 YAMUNA AT SONEPAT, HARYANA HARYANA 7.3 8.1 221 1020 2 11 0 0.2 45 170 78 330
1120 YAMUNA AT WAZIRABAD, DELHI DELHI 5.5 15.5 7.4 8.8 280 939 1 8 0 0.4 2200 17000
1121 YAMUNA AT NIZAMUDDIN, DELHI DELHI 0.9 1.5 7.1 8.1 920 1950 12 40 0 1.3 2400000 16000000
1375 YAMUNA AT OKHLA BRIDGE (INLET OF AGRA CANAL), DELHI DELHI 7.4 8.1 620 1870 10 28 0 0.1
1812 RIVER YAMUNA AT OKHLA AFTER MEETING OF SHAHDARA DRAIN, DELHI DELHI 1 2.4 7.5 8 1000 1850 19 97 0 0 2400000 9200000
2495 YAMUNA AT KESIGHAT, VRIAVAN UTTAR PRADESH 16 33 3.8 6.2 7.1 7.6 115 1920 7.4 10.8 0 0 27000 43000 42000 79000
1123 YAMUNA AT MATHURA U/S , U.P. UTTAR PRADESH 7.5 8.8 492 1588 7 14 0 2.7 4500 4500 7800 7800
2494 YAMUNA AT VISHRAMGHAT, MATHURA UTTAR PRADESH 16 38 3.4 5.6 7.3 7.7 108 2210 7.8 11.2 0 0 44000 84000 70000 180000
1124 YAMUNA AT MATHURA D/S , U.P. UTTAR PRADESH 7.6 8.8 460 1620 7 17 0 1.7 7800 7800 13000 13000
1125 YAMUNA AT AGRA U/S, U.P. UTTAR PRADESH 7.6 8.7 605 1574 4 17 0 2.9 11000 11000 14000 14000
1126 YAMUNA AT D/S OF AGRA, U.P. UTTAR PRADESH 7.8 9.2 694 1700 7 14 0 1.4 11000 11000 17000 17000
2493 RIVER YAMUNA AT SHAHPUR UTTAR PRADESH 17 30 4 6.4 7.2 7.7 114 1480 6.4 9.2 0 0 21000 34000 37000 59000
1498 YAMUNA AT BATESWAR, U.P UTTAR PRADESH 7.6 8.5 630 2100 4 30 0 1.4 1700 1700 3300 3300
1127 YAMUNA AT ETAWAH, U.P. UTTAR PRADESH 7.6 8.7 370 2020 1 35 0 1.5 3300 3300 3900 3900
1499 YAMUNA AT JUHIKA B/C WITH CHANBAL, ETAWAH, U.P UTTAR PRADESH 7.9 8.7 586 670 3 6 0 0
1069 YAMUNA AT ALLAHABAD D/S (BALUA GHAT), U.P UTTAR PRADESH 20.4 30.8 7.6 8.8 7.5 8.5 456 576 2.1 3.4 0 1.6 2100 6800 4600 11000
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